

RESUME

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LINKS:

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EDUCATION:

S. No	Qualification	Institute	Year	GPA or Percentage
1	B. Tech (CSE-AI&DS)	VNRVJIET	2021-25	8.4 CGPA (Pursuing 5th Sem)
2	Intermediate	Abhyaas Junior College	2019-21	85%

PROJECTS:

- ❖ Developed an innovative **hand gesture-controlled presentation system** leveraging **OpenCV**, **MediaPipe**, and **machine learning algorithms**. Engineered and implemented a user-friendly interface allowing seamless control of presentations through recognized hand gestures. Applied advanced computer vision techniques to interpret and map hand movements, enhancing user interaction and accessibility during presentations. Integrated machine learning models to accurately recognize gestures, optimizing the presentation experience with intuitive, hands-free controls.
- ❖ Developed a robust **CAPTCHA** (Completely Automated Public Turing test to tell Computers and Humans Apart) generator in **Java**, ensuring enhanced website security. Implemented algorithms to create dynamic and secure image-based challenges, deterring automated bots. Employed object-oriented design principles and Java libraries to generate randomized CAPTCHA images, contributing to user authentication and protection against malicious activities.
- ❖ Crafted a functional **chat application utilizing TCP/IP protocols**, showcasing proficiency in network communication. Developed and implemented a secure messaging platform enabling real-time communication between users. Utilized socket programming techniques to establish connections and facilitate seamless data transmission, ensuring reliability and scalability in the application.
- ❖ Designed and implemented a sophisticated data science model for forestry analytics, accurately predicting total tree count, categorizing species, performing temporal analysis, and detecting anomalies in sentinel images of nearly 4-5 billion hectares of land. Achieved through advanced pre-processing techniques in 2023. **(FORESTRY ANALYTICS (Data Science))**

TECHNICAL SKILLS:

Programming languages	C, C ++, Python, Java, SQL
Libraries	NumPy, Pandas, matplotlib, Seaborn, Sklearn
Software tools	AutoCAD, Photoshop
Operating Systems	Linux, Unix

COURSES:

- ❖ **DATA STRUCTURES AND ALGORITHMS (2022-PRESENT):** Refining solution optimization while mastering concepts related to data structures and algorithms during my tenure at **Smart Interviews**.
- ❖ **MICROSOFT AZURE AI FUNDAMENTALS (2023):** Gaining comprehensive knowledge of AI concepts and Azure services. Acquired practical skills in deploying machine learning models and leveraging AI tools for efficient problem-solving.
- ❖ **STACK DEVELOPMENT MERN (2022-2023):** Explored frontend technologies like HTML, CSS, Bootstrap, and frameworks such as NodeJS and JavaScript. Also, gained experience in backend operations using MongoDB at VNRVIET.

CERTIFICATIONS:

- ❖ **Microsoft Certified:** Azure Fundamentals.
- ❖ **Certificate of Service** 2021-2022 from Street Cause (National Organization).
- ❖ NPTEL Certification in **Cloud computing** 2023.
- ❖ **Infosys spring board** certificate on **Prompt Engineering** in 2023.
- ❖ MATLAB Onramp MathWorks Certification.

ACHIEVEMENTS:

Co-Curricular:

- ❖ Winners of AI Art Jam contest.
- ❖ Organised a 24 hour software hackathon.
- ❖ Shortlisted for ACM Hackathon round 2.

Extra-Curricular:

- ❖ National level throwball player.
- ❖ Winners of 5th sub-junior throwball championship.
- ❖ Editor at VJ Teatro Club (Short-film making club of VNRVIET).

SOFT SKILLS:

- ❖ Facilitated open communication between students in all the clubs which reduced the time gap by 25%.
- ❖ Led a high performing team through difficult situations and achieved 15% improvement compared to previous year.